

MS200 TENSIONHEAD ASSEMBLY.

There are 2 things very important to achieve that the tension-head- lock engages quick enough:

1. The tension head it self has to "turn" back to the closed situation after taking the string out, very quickly.

You can test this by pushing the pedal down so that the string clamp opens and check if the string clamp closes quickly after releasing the pedal.

If the parts of the tension head do not turn freely there is something wrong inside the head.

If the does not rotate freely it should be taken out and checked for errors;



Fig 1.

Unscrew the bolt that clamps the shaft in the casting. (2 turns should be enough).

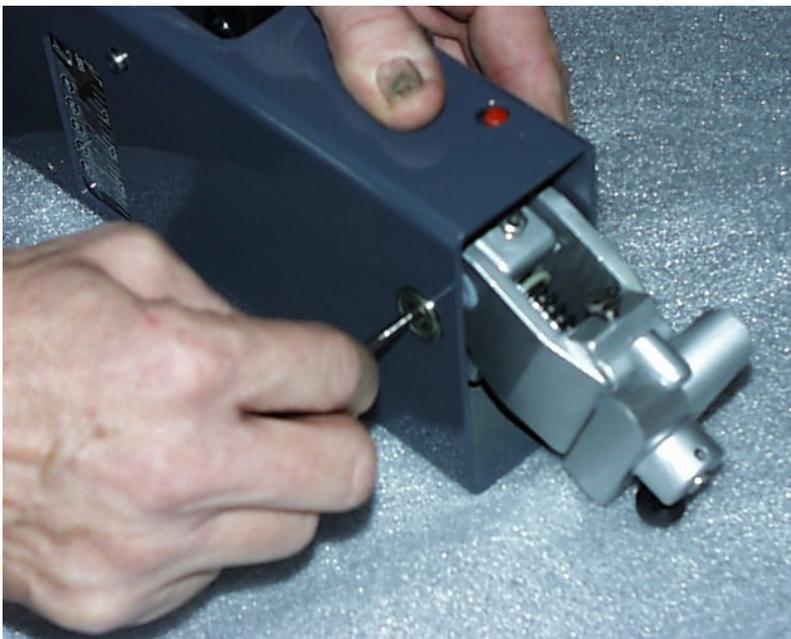


Fig. 2 Push the shaft out of the tension head, with a round bar.



Fig. 3 If necessary use a plastic hammer to push the pin out gently.



Fig. 4 Take the tension head out of the housing.



Fig.5 Push the shaft back into the tension head.

In this situation you can check if the stringclamp parts rotate freely without friction:

Rotate the upper part clockwise so that the string clamp opens and let it go, it should spring back right away.

If it does not seem to spring back freely you have to take the tension head apart:



Fig. 6 Rotate the tensionhead clockwise in relation to the disc and push out the upper pin.

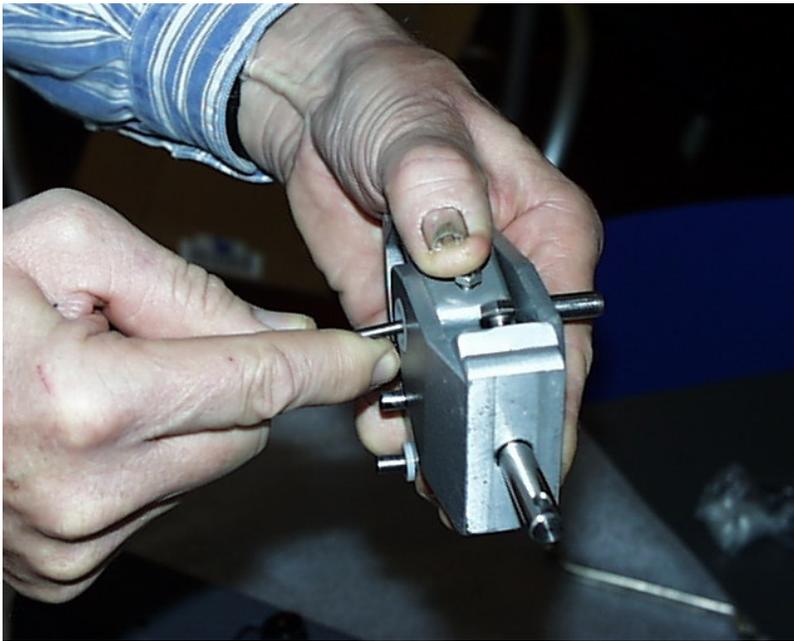


Fig. 7 Push the shaft out.



Fig. 8 Take the U-part off.



Fig. 9 Take the upper bush, the spring and the washer of the pullrod.

REPLACING THE PIN.

When the locking pin is broken or has moved out of the disc it should be replaced with a pin din 7344-4x26 mm or 7343-4x26 mm (ISO 8748 or ISO 8750).



Fig. 10 Replacing the pin.

An easy way to replace the pin is the push it out with new pin.

- * Place the disc on a support with a hole (or slot) at the position of the pin so that you can push out the pin downwards.
- * Hold the new pin in the right angle (see the drawing below).

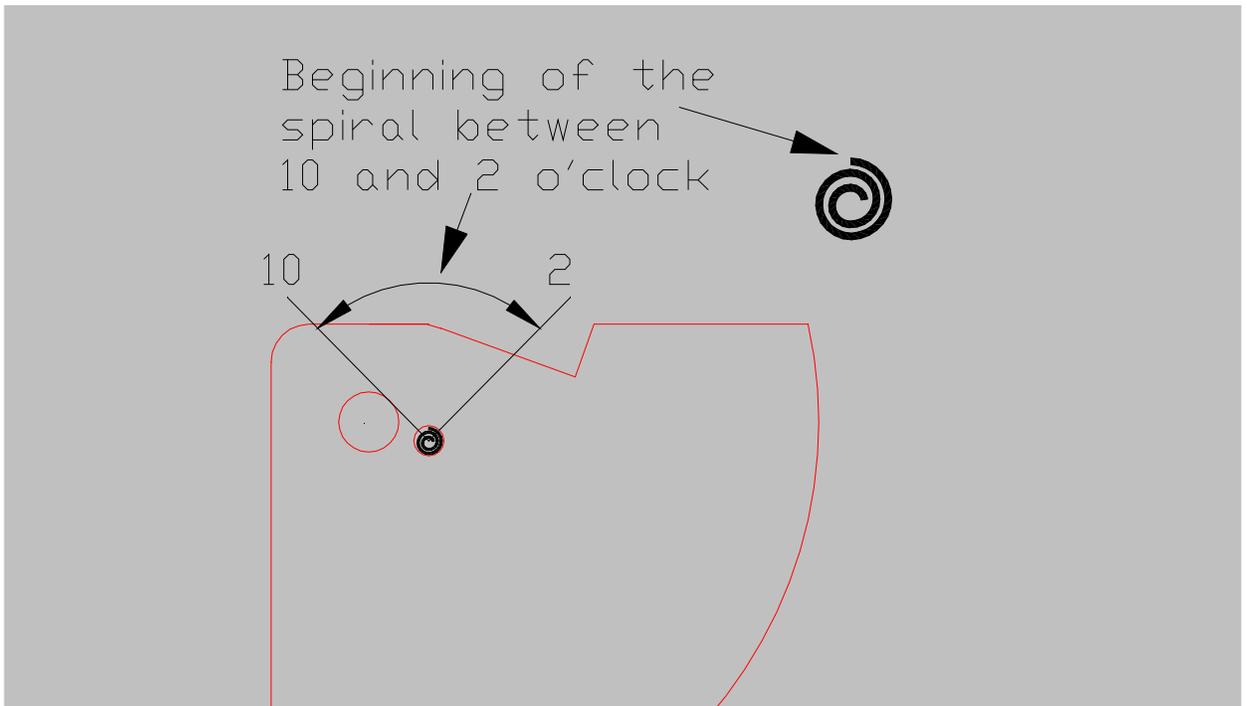




Fig. 11 Hammer the new pin into the hole and at the same time the old pin out.

To assemble the unit carry out the actions in the reverse way.

2. It is important that the locking bar of the tension head turns very light when you push it up and down with the knob.

When you have removed the tension head you can see the steel bar that locks the tension head in the starting position when no string is clamped.

The locking bar hinges around the bolt.

The bar could rotate to heavy when the thread is rusted or dirty:

Take out the locking bar:

- hold the nut inside the housing with a spanner.
- Rotate the alan bolt half a turn sothat the nut does not clamp the bolt to the housing anymore.
- Rotate the alan bolt anticlockwise so that it turns out of the locking bar.
- TAKE CARE THAT YOU DO NOT LOOSE THE LITTLE NYLON ROLER.
- Pull the ball knob from the pin.
- You can remove the locking bar now.

- Clean the thread of the bolt with a steel brush.
- The best way to clean the threaded hole is to use a M6 thread cutter to clean out the threaded hole.
- Put some very thin oil in the hole.
- assemble the locking bar back into the housing.
- Turn the bolt so far into the locking bar that the nylon roller is about 1.5 mm from the housing.
- Hold the nut inside the housing now and thighten the bolt.
- Check if the locking bar moves freely now.

If so put the tensionhead into the system in the reverse way as the desassembly went.
We wish you good luck.